

PUBLIC DOCUMENT

. . . . No. 30.

TWENTY-FIRST ANNUAL REPORT
OF
THE TRUSTEES
OF THE
WESTBOROUGH INSANE HOSPITAL,
FOR THE
YEAR ENDING SEPTEMBER 30, 1905.



BOSTON :
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1906.

Male Attendants Houses.

West Wing.

Boiler House and Laundry.

Main Building.

Osgood Cottage.

Codman Building.

Superintendent's House.

Talbot Building.

Female Nurses Houses.

Stables.

Stanley House.

Water
Tower.

Carpenter
Shop.

Barns.
Henhouse.

Piggery.

Dewson Cottage.

Speare Cottage.

Warren Farm
House.

Laundry.

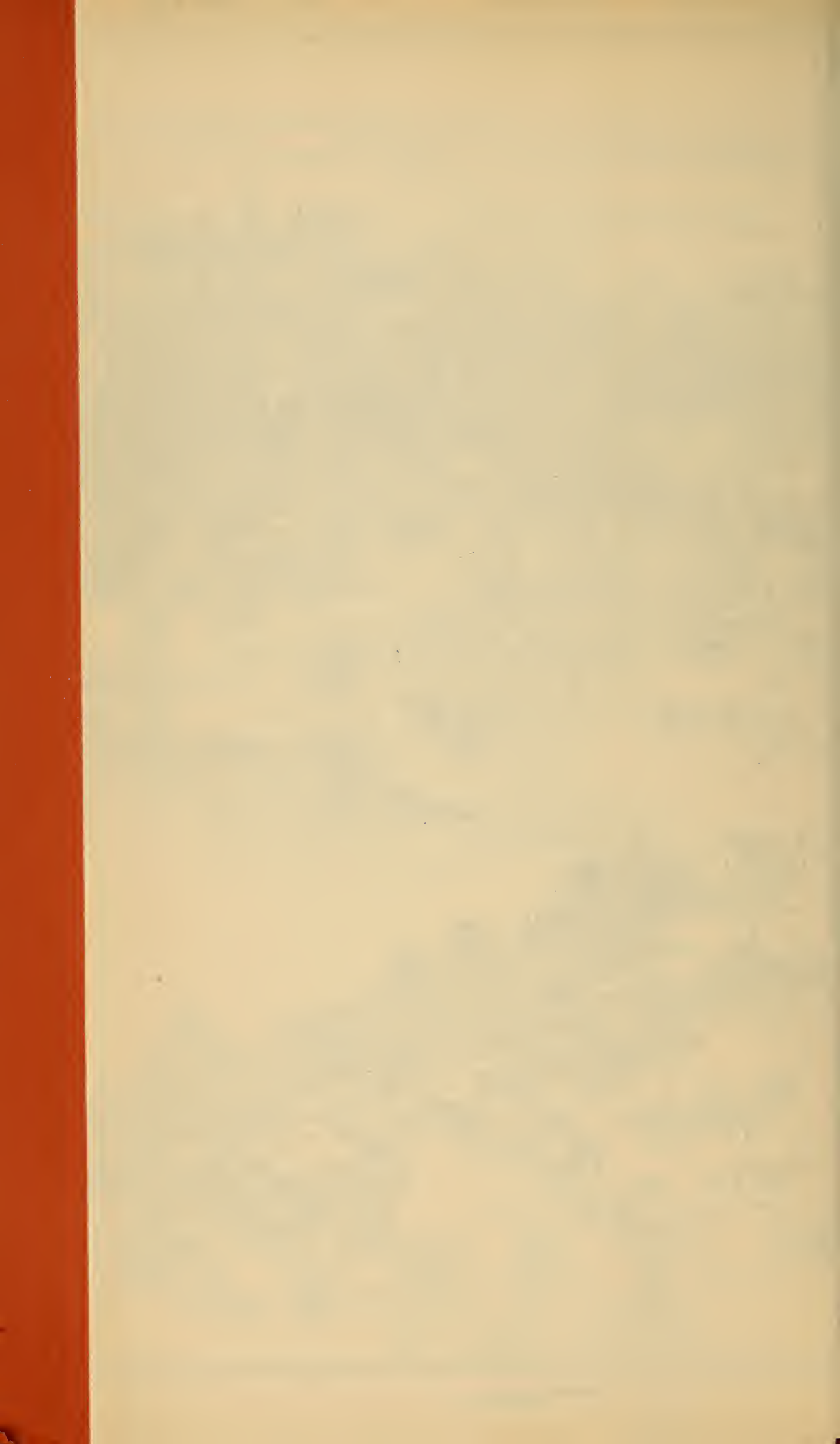
Richmond Colony.

Lake Chauncy.

Warren Farm Barns.

Warren Farm Colony.





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Mass.: Westborough State Hospital (Insane)



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WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
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1906.

JAN 81 1921

STATE HOUSE, BOSTON

Mass Officials

APPROVED BY

THE STATE BOARD OF PUBLICATION.

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

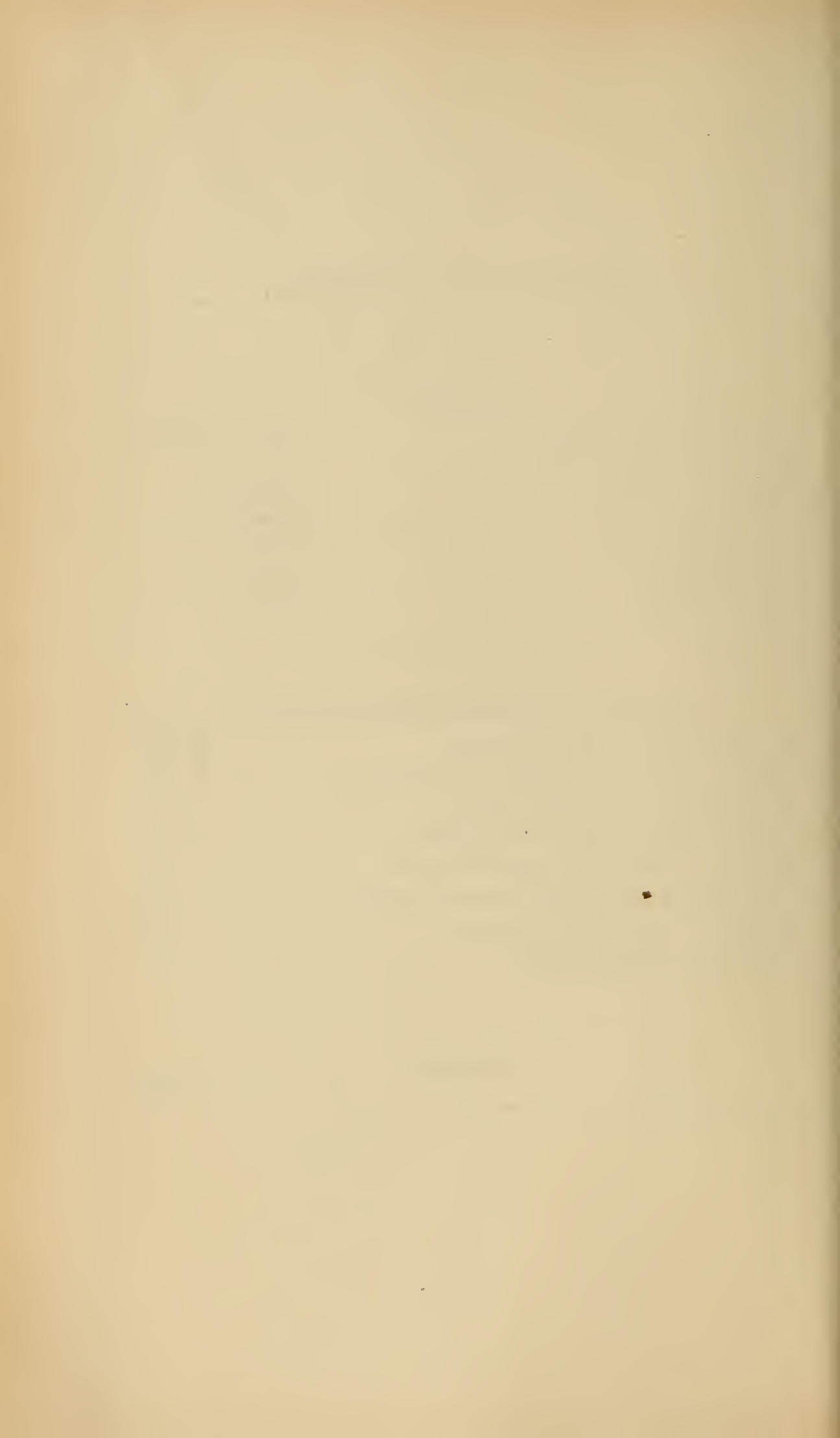
JOHN M. MERRIAM, <i>Chairman</i> ,	SOUTH FRAMINGHAM.
ELIZA C. DURFEE, <i>Secretary</i>,	. . . . .	FALL RIVER.
BENJAMIN W. CHILDS,	. . . . .	WORCESTER.
JOHN L. COFFIN, M.D.,	. . . . .	NORTHBOROUGH.
SARAH B. WILLIAMS,	. . . . .	TAUNTON.
EDWARD HAMLIN,	. . . . .	BOSTON.
LEWIS R. SPEARE,	. . . . .	NEWTON.

RESIDENT OFFICERS AND THEIR SALARIES.

	Per Annum
GEORGE S. ADAMS, M.D., <i>Superintendent</i> ,	\$3,000
HENRY I. KLOPP, M.D., <i>Assistant Superintendent</i> ,	1,800
IDA J. BROOKS, M.D., <i>Assistant Physician</i> ,	1,100
E. RAY BUHRMAN, M.D., <i>Assistant Physician</i> ,	1,000
WILLIAM W. COLES, M.D., <i>Assistant Physician</i> ,	600
RUTH BARKER-COLES, M.D., <i>Assistant Physician</i> ,	600
SOLOMON C. FULLER, M.D., <i>Pathologist</i> ,	1,200
MELVILLE L. STACEY, <i>Steward</i> ,	1,200

TREASURER.

	Per Annum.
H. L. DAVENPORT, SOUTH FRAMINGHAM,	\$500



Commonwealth of Massachusetts.

REPORT OF THE TRUSTEES.

To His Excellency the Governor and the Honorable Council.

The trustees of the Westborough Insane Hospital respectfully present this their twenty-first annual report.

The trustees have repeatedly alluded to the dissatisfaction and difficulty attending the water supply of the hospital. They now feel impelled to present this subject once more for legislative consideration, and they earnestly hope that it will receive the attention due the serious nature of the question, and that it may be finally disposed of. The natural supply of water would, upon first thought, be Chauncy Lake, which is almost surrounded by the hospital farm. The water of this lake, however, is absolutely unfit for domestic purposes by reason of the presence of vegetable organisms, which would make its use a menace to the health of the entire population. This water has been repeatedly condemned by the State Board of Health. All efforts to improve it by filtration or other means would be at great expense and of doubtful result. The next possible source is the water from driven wells on the hospital farm. Years ago wells were driven for the purpose of using this supply. The water obtained, however, from these wells is so strongly impregnated with bog iron that, while not injurious to health, it is unpalatable and repulsive to sight, smell and taste. This water has been used for the domestic purposes of the hospital, but under constant protest. Patients drink it only as a matter of necessity and do not drink the usual quantity of water. Its continued use is obnoxious to every one compelled to use it.

During the past year the trustees directed wells to be driven in other places, but the engineer under whose direction this

work was done has reported that it is impossible to find a sufficient quantity of potable water for the use of the hospital from this source.

A third plan has been to take water from the metropolitan water aqueduct, which is distant about one mile from the hospital. This plan has been recommended by the trustees in their former reports. The expense of building the necessary mains and pumping station has been estimated at \$35,000. In addition to this initial cost, however, an annual rental would have to be paid to the Metropolitan Water Board of from \$1,500 to \$1,800, and a pumping station maintained at a probable annual cost of \$1,000. This plan is only partially satisfactory to the Board of Trustees, but it would afford a permanent solution of the present difficulty.

A fourth plan has been recommended by Mr. Percy Blake, the well-known expert on municipal water supplies. This plan would involve the seizure of the water of two large brooks, distant about four miles from the hospital, the construction of a reservoir, pumping station and mains, and the settlement of uncertain land and water damages. The initial expense involved in this plan would be not less than \$60,000 and might approximate \$100,000. The annual charge of maintaining a pumping station at such a distance from the hospital would probably be \$1,600. There would, of course, be no annual charge for water consumption. By this plan an entirely adequate supply of excellent water could be obtained. The trustees, however, do not recommend this plan for the sole reason of the large and uncertain expense involved. If, however, in the judgment of the Legislature this expense is justified, in view of the permanent character of the improvement, the trustees will undertake the construction of the work.

Still another plan, however, has been considered by the Board of Trustees, and, on the whole, receives their endorsement. At an expense not exceeding \$10,000 for the extension of mains, water from the local supply of the town of Westborough can be brought into the smaller tank in the main hospital building by gravitation. From this supply water can be used for all ordinary domestic purposes. The water from Chauncy Lake can be pumped into the large hospital reservoir and used

for laundry and boiler purposes and for fire protection. According to its present capacity the local water supply is insufficient for the water required for all purposes. This local supply, however, can be very greatly increased and improved by the construction of filtration galleries and the elevation of the upper and larger basin. With this increased capacity sufficient excellent water can be obtained for all purposes, both of the town and of the hospital. It is possible that the town would consider favorably a proposition to improve and enlarge its water supply according to plans which are now under consideration, and that thereby the hospital may become able to obtain water for all purposes at a reasonable rate per thousand gallons, with an agreed minimum guaranty.

This plan has received the endorsement of the State Board of Health as follows: "If the town of Westborough should build works in the neighborhood of the present basins which would collect ground water without exposure to light there is little doubt but an ample supply of water for the town and for all uses in the hospital could be secured, which would be of excellent quality at all times for drinking, and this would be a good plan for securing a water supply for the hospital." The advantages of this plan are these: only a small initial cost is required; much of the water would come to the hospital by gravity; the pumping of the rest of the water would be much less than the pumping now required, and would be under the immediate observation of the engineer; the quality of the water would be excellent, and the water rate as reasonable as could be expected.

Upon all considerations the trustees recommend the last plan, and earnestly request authority and a sufficient appropriation to carry it into effect at once.

During the past year the hospital population has been the largest in the entire history of the institution. The largest number of patients present at any one time has been 918; the total number of cases admitted has been 538; 97 have been discharged as recovered, 44 as much improved, 29 as improved, and 33 as not insane; 902 remain at the hospital Oct. 1, 1905. In spite of this increased population, however, patients have been better classified and more comfortably cared for than ever

before by reason of the occupation of the new west wing and the still more recent building for the acute disturbed patients. For the present year there is no need of new construction for the use of patients. All efforts in the nature of construction will be confined to finishing the male attendants' buildings and the laundry for the Richmond colony.

The male attendants' buildings and the superintendent's house have been built by carpenters employed directly by the trustees. This method of constructing the smaller buildings has proved a great success at this hospital. Probably much better work has been secured at a far less cost to the Commonwealth than could have been obtained by the awarding of contracts.

The building for the acute disturbed patients, which has been finished and occupied during the past year, has been named by the trustees the Codman building, in honor of Hon. Charles R. Codman, the first chairman of the Board of Trustees of the Westborough Insane Hospital and a present member of the State Board of Insanity. It has been a matter of sincere gratification to the trustees, and especially to those who were associated with him, to express in this way their appreciation of the interest, foresight and wisdom which he manifested in his service of fourteen years upon this Board.

The trustees also wish to record their appreciation of the faithful service rendered during the year by the superintendent and his staff of physicians and all other officers of the hospital. The reports of the superintendent, pathologist, treasurer and consulting board of physicians and the statistical tables required by law are appended to this report.

JOHN M. MERRIAM.
ELIZA C. DURFEE.
BENJAMIN W. CHILDS.
JOHN L. COFFIN, M.D.
SARAH B. WILLIAMS.
EDWARD HAMLIN.
LEWIS R. SPEARE.

REPORT OF THE SUPERINTENDENT.

To the Board of Trustees of the Westborough Insane Hospital

I respectfully submit the report of the superintendent for the hospital year ending Sept. 30, 1905.

The following table shows the movement of population for the past year:—

	Men.	Women.	Totals.
Patients in the hospital Sept. 30, 1904,	326	516	842
Admissions within the year,	251	287	538
Whole number of cases within the year,	577	803	1,380
Dismissed within the year,	210	268	478
Viz, as recovered at the time of leaving the hospital,	38	59	97
much improved,	27	17	44
improved,	10	19	29
not improved,	20	28	48
not insane,	13	20	33
Died,	68	65	133
Transferred,	1	27	28
Escaped,	4	3	7
On visit,	29	30	59
Patients remaining Sept. 30, 1905,	367	535	902
Daily average number of patients,	349.26	529.28	878.54

During the hospital year there were 538 admissions. Of these, 424 were commitments of the insane, 14 of inebriates, 27 were transfers of the State Board of Insanity; 26 were voluntary, 45 returned from visit and 3 from escape. There were 478 patients discharged within the year, 252 going to their homes and friends, 28 removed by the State Board of Insanity, and 7 escapes. There were 133 deaths and 59 are absent on visit.

The total number of admissions was larger than any previous year, even excluding those returned from visit and escape, and

although our number at the end of the year is 902 (and we have had as many as 918), and the average number of patients shows an increase of 56.20, the hospital is not crowded at the present time. There have been 342 beds added by new buildings to our capacity, in the past four years and others were made available by the opening of the nurses' cottages.

The act of the Legislature of 1904, extending the leave of absence from the hospital to six months, is helpful in cases where the friends wish a longer period of probation; but usually the visit is given for sixty days, and extended in cases where it seemed best.

The third cottage for women nurses was opened in December, 1904, and this occupation by our nurses has made it possible to increase the number of nurses and reduce the hours of duty to seventy per week, including the time given to lectures and recitations in the training school course.

The building for male employees was completed and occupied last winter, and the two cottages for male nurses are nearing completion, at which time the hours of duty will be made the same as for the women nurses.

The Legislature of 1902 granted \$5,000 for surgical and pathological improvements. Inability to find temporary quarters for the pathologist prevented its use during that season, and the Legislature of 1903 continued this appropriation, and added \$7,000 for the erection of a fire-proof pathological building.

The operating room, with modern equipments, has been completed and is in use.

A location was selected for the pathological building east of the main building, this affording good facilities to receive heat and light from the main plant and also within a short distance from the building for acute cases, and very convenient for the use of the medical staff. Plans were approved for a building, the exterior to be of terra cotta hollow tile, with cement plaster finish on the outside, and the inner walls, partitions and floors to be of cement concrete. Mr. J. J. Prendiville, the lowest bidder, took the contract for \$6,636. The building is near completion and will soon be delivered by the contractor to the hospital.

The building for acute disturbed patients was completed and occupied by women patients the last of March, 1905. It was named Codman by the trustees in honor of Hon. Charles R. Codman, the first chairman of the Board of Trustees.

The residence of the superintendent has been completed and is now occupied by the superintendent and his family.

The change from the use of direct to alternating electric current was completed during the winter and is giving satisfactory service.

The new laundry, to give the patients of the Richmond building useful occupation, is being built by the hospital carpenter and will be completed and occupied in the early winter.

The necessity for a supply of good water for all purposes is more urgent than ever. The matter of procuring a satisfactory supply of water has been frequently urged in previous reports and the conditions now are becoming so acute that some effectual remedy must be applied.

In 1904 your Board presented in their report a plan that I believe would, if carried out, give us no further concern about water for many years, and probably never in the future history of the hospital. This plan did not pass the Legislature, and an investigation, as suggested by the State Board of Insanity, was made for satisfactory ground supply. This investigation was made by Mr. Percy M. Blake, and the nearest supply of quality and quantity found was four miles away, and the estimated cost was at least \$50,000, without any land or water damages being considered, and the interest on this sum, in addition to the expense of controlling the pumping plant four miles away, rendered the plan not feasible.

Your Board then purposed taking our drinking water from the town of Westborough, — all the water now used by the two hospital colonies being drawn from this supply. This request also failed to pass the Legislature.

It would be a satisfactory solution of our search for good water to take all our drinking water from the town of Westborough, having the supply pipes of a size to convey the water needed for all purposes, and ask the town to increase their supply so as to furnish water for all the uses of the hospital, which I understand can be done, as their water-shed is abundant and

the chief addition needed is filtering galleries. Failing to make suitable terms with the town, I believe the plan presented by you in your report of 1904, to take water from the Metropolitan system, is the only other scheme that offers permanent results for a reasonable outlay.

This hospital may claim to satisfactorily carry out the three-fold function of a modern institution for the care of the insane.

It has the main buildings containing the administrative centre, the asylum wards, the heating and lighting plant, sewing rooms, laundry and service department. In the Warren farm and Richmond buildings are two units for colony care, both giving good service. In the Codman and Talbot buildings for the disturbed and quiet recent cases, we have the hospital conditions for curable patients. In Talbot the conditions for quiet convalescent cases are good. In Codman the conditions are adapted to the needs of the excited cases. Here the room doors, with glass panels, permit close observation of patients without annoying them. Sufficient provision is made for prolonged baths; there is an ample supply of nurses, and one physician devotes his time to the study and treatment of the patients in these two buildings, — a measure of great assistance in promoting ultimate recovery.

Our treatment does not greatly change as years pass by, but we are ready to use whatever gives any promise of helping our patients. All hopeful cases are given medicine for mental conditions, and in this class is included cases of dementia præcox, a portion of whom respond to treatment and go out to useful lives.

The rest treatment is suitable for most of the acute cases, both the quiet and the disturbed. Years of experience confirm my confidence in its value. This, however, should be followed, in cases of dementia præcox, by occupation, preferably useful employment.

Hydrotherapy has a deserved place in our treatment. The use of the prolonged tub baths has become an almost routine treatment in the disturbed cases so noticeable is the abatement of excitement under its use. Where the disturbance is too great for the bath, the wet pack proves useful in quieting a patient.

Static and high frequency electricity is of some use in the disturbed cases but it is of greater benefit in depressed states; especially does it help insomnia.

When bodily disease, not amenable to medicine, prevents the patient's recovery, or, by reflex action upon the nerve centres, is really the cause of the perverted mental action, the aid of a surgeon is secured to determine if surgical interference promises to give relief. The number of cases that are suitable for surgical treatment is not large, — not sufficient to justify the claim made by some that very many can be cured by operation, but the results, in the selected cases, have been uniformly beneficial.

A dentist comes to the hospital weekly to care for the teeth of the patients, — extracting, filling and cleaning, as indicated; and, occasionally making artificial sets. The results are noticeable in increased comfort in eating as well as improved appetite.

Employment is the best medicine for the chronic insane when their mental and physical condition will permit it with safety to themselves and others; it promotes quiet and lessens the intensity of the delusions, and some of these patients improve so that they may leave the hospital, under supervision, and become self-supporting.

Many of our cases have the freedom of going out alone on the grounds, and very few break their promise not to leave the limits without permission. During the past year 318 different persons, 149 men and 169 women, have had this privilege, — this being 23 per cent. of the whole number treated.

Mrs. John Felt Osgood gave \$100 for the entertainment of the patients. Mrs. Lewis Day gave \$10 as an Easter gift to the patients. Mr. Martin L. Green sends regularly a copy of the "Scientific American." Mrs. E. M. Bailey of Newton sent magazines, nuts and candy at Christmas and the Massachusetts Hospital Newspaper Society sent four packages of magazines. The Church Periodical Society sent four packages of magazines for patients.

The band of the Lyman School for Boys came over to the hospital one evening in June and gave a concert for the entertainment of the patients.

Dr. S. C. Fuller, our pathologist, was absent from the hospital from November, 1904, to August, 1905, going to Munich, Germany, and having an opportunity, while there, of studying under Kraeplin. He returns to the hospital with well-earned knowledge and increased interest in his work. Dr. William W. Coles conducted the pathological work during his absence, and the position of junior assistant physician on the male side was temporarily supplied by Dr. Arthur F. Weston, who remained until Sept. 1, 1905.

Dr. Clifford J. Huyck, senior physician on the male side, resigned Aug. 1, 1905, to enter general practice. Dr. William W. Coles was promoted to the position of senior assistant physician and the position of junior assistant physician remains vacant.

Dr. Alberta S. Boomhower resigned in June, 1905, and Dr. M. Agnes Martyn of Boston University School of Medicine, 1903, supplied until September 1, when Dr. Ruth Barker-Coles, a graduate of Boston University School of Medicine, 1904, was appointed.

I thank the officers and heads of departments for their loyal and efficient assistance in the interests of the hospital. I am grateful to the trustees, individually and collectively, for their continued assistance and counsel, and trust that it may continue in the year to come.

GEO. S. ADAMS,
Superintendent.

SEPT. 30, 1905.

REPORT OF THE CONSULTING BOARD OF PHYSICIANS AND SURGEONS.

To the Trustees of the Westborough Insane Hospital.

The usual regular meetings of the Consulting Board have been held, and the usual visits of individual members have been made at the hospital from month to month during the year.

Some of the members have given considerable service to the hospital. Dr. Rice has visited the hospital three times and operated for diseased conditions of the nose and throat. Dr. Colby has visited the hospital, as special consultant, in nervous diseases, twice during the year, in addition to other visits. Dr. F. W. Colburn performed a mastoid operation upon one of the patients when Dr. Bellows was unable to take charge of the case. Dr. Winfield Smith has operated three times when Dr. Packard was unable to visit the hospital.

We find two new buildings completed during the year for disturbed and noisy patients, — one an extension of a wing of the main building previously used for this same class, and a new building named Codman building, on the north side of the main building, and detached from it. We are much pleased with the cleanliness, with the light in the rooms and the hallways, and the absence of odors, and we feel that the purpose for which these buildings were erected has been very satisfactorily accomplished.

We note with special satisfaction that the new pathological building is nearly completed, and we feel that it will be of great service to the hospital. The pathological work for some years has been of a high order, and has deserved better accommodations than any previously furnished; and the new building, with the work rooms it contains, will make possible still better work, both of a routine nature and also original investigation into new and unknown fields of medicine.

We commend also the new surgical operating rooms. They are well adapted for their purpose, and we are surprised that such good accommodations have been furnished at such moderate cost.

We note, at the close of the fiscal year, the completion of the superintendent's residence and its occupation by him and his family. It seems well adapted to its purpose and will prove of much value.

We believe in the removal from the immediate ward and hospital surroundings, as far as possible, of the officers and employees when not on duty. Nurses are stronger, healthier and happier, and of more value to the sick during their hours of work, if they have had their nights and some time in the day for recreation in buildings removed from the wards; and this is as true of the physicians and other officers who devote their lives to the care of the insane.

During the year, the chairman of our Consulting Board, Conrad Wesselhoeft, M.D., closed a lifetime of work and success and honor. Few medical men are privileged to receive so many marks of esteem from his associates and the community, and in passing the following resolutions, and entering them upon our records, we are bearing witness not only to his value as a man and a physician but also to his readiness to give freely and constantly of his strength and knowledge, without recompense, to the sick in mind as well as in body:—

The members of the Consulting Board of the Westborough Insane Hospital extend expressions of their sympathy to the family of our late colleague and chairman, Dr. Conrad Wesselhoeft.

Through our pleasant relations with him we learned to respect his sterling integrity, admire the wisdom of his counsel and love him as a man.

We mourn his loss even in the fulness of years and well-earned honors, nor can we expect to see the vacancy made by his death completely filled.

CHARLES L. NICHOLS, *Chairman*.

EDWARD P. COLBY.

HORACE PACKARD.

JOHN P. RAND.

GEORGE B. RICE.

HOWARD P. BELLOWS.

JOHN P. SUTHERLAND.

GEORGE A. SUFFA.

FREDERICK B. PERCY.

N. EMMONS PAINE, *Secretary*.

REPORT OF THE PATHOLOGIST.

Dr. GEORGE S. ADAMS, *Superintendent Westborough Insane Hospital.*

Herewith is presented a summary of the work done in the pathological laboratory for the year ending Sept. 30, 1905.

The endeavor to have the laboratory serve the clinical needs of the hospital has been kept up, as in the years previous. Our autopsy material has, for the most part, been studied as well as our present facilities would permit, and in not a few have the sections proven illuminating. An instance may be cited of a case which had been considered clinically as general paralysis, yet in the subsequent anatomical study, save for an occasional mast cell infiltration of the perivascular lymph spaces of the cerebral cortex, there was nothing on which the diagnosis of general paralysis could be sustained. So far as Nissl preparations are concerned the sections present the conditions as described by Alzheimer* for alcoholic dementia.

Turning to the clinical relations of the laboratory to the ward service a case still in the hospital may be mentioned in this connection. The question arose, after eliminating other possibilities, whether we had to deal with general paralysis or a psychosis due to chronic lead poisoning. After preliminary preparation, a rather long and tedious chemical analysis of the urine demonstrated the presence of lead, which, everything else considered, pointed to a lead psychosis. The subsequent clinical development has strengthened this position and makes the provisional diagnosis most probable. Similar instances could be cited.

The number of specimens submitted to the laboratory for examination during the year was 1,599, of which 1,409 were urinalyses, 131 blood examinations and 59 miscellaneous, in-

* Histologische u. Histopathologische Arbeiten über die Grosshirnrinde, Bd I., Jena, 1904.

cluding stomach contents, sputum and throat cultures. In addition there were 31 autopsies, 23.4 per cent. of the death rate. The percentage of autopsies to the death rate is still small, although each year shows an increase. Thus the total number of separate examinations is 1,621.

The credit for the most of this work must be given to Dr. W. W. Coles, who for more than a year was an assistant in the laboratory and during my absence of nine months was in charge of this department.

With many thanks for the co-operation of the staff and the continued support of the superintendent, this report is

Respectfully submitted,

SOLOMON C. FULLER, M.D.,

Pathologist.

SEPT. 30, 1905.

REPORT OF THE TREASURER

FOR YEAR ENDING SEPT. 30, 1905.

ASSETS.

197 acres cultivated land, 123 acres pasturing, 83 acres wood- land, 36 acres meadows, 17 acres sprout land, 10 acres unclaimed land, 9 acres groveland, 68 acres lawns, roads, walks, yards, etc., main hospital buildings, Talbot, Rich- mond, Codman, Speare and Dewson cottages, sewage plant, heating plant, farm house, Stanley house, Houghton house, Warren house, Osgood cottage, Forbes cottage, Clark cot- tage, Knights cottage, steward's cottage, small cottage, superintendent's house, male employees' house, nurses' homes, main barn, new barn, Stanley barn, Warren barn, piggery, hennery, blacksmith's shop, fruit cellar, tool and wagon house, ice house, old ice house, boat house, Stanley hen house, coach barn, flour and store room, store barn, carpenter shop and vegetable cellar, green house, waiting station, pumping station,	\$783,925 00
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PERSONAL ESTATE.

Stock and supplies, as per inventory,	\$143,391 59
Cash on hand,	3,774 52
	<hr/>
	\$147,166 11

RECEIPTS.

Cash on hand Oct. 1, 1904,	\$3,342 12
Received from cities and towns for support of patients,	1,908 20
Received from individuals for support of pa- tients,	41,841 68
Received from reimbursements for support of patients,	8,864 89
Received from interest on bank deposit,	214 05
Received from farm and farm products,	488 06
Received from sale of : —	
Material, etc.,	\$756 47
Sewing room material,	303 83
	<hr/>
<i>Amounts carried forward,</i>	<i>\$1,060 30 \$56,659 00</i>

<i>Amounts brought forward,</i>	. \$1,060 30	\$56,659 00
Received from sale of — <i>con.</i>		
Junk,	237 24	
Buttons and thermometers,	83 04	
Old machinery,	841 00	
Labor,	4 90	
Sundries,	76 56	
		2,303 04
Received from rent,		185 00
Received from board of workmen,		241 54
Received from freight rebate,		3 20
Received from rebates and discounts,		12 15
Received from wages forfeited,		7 00
Received from Commonwealth on account of current expenses,		191,891 27
Received from Commonwealth on account of special appropriations,		75,555 78
		<hr/> \$326,857 98

EXPENSES.

1. Salaries and wages,	\$70,535 13
2. Food,	49,263 27
3. Clothing and material,	5,335 93
4. Furnishings,	7,569 86
5. Heat, light and power,	13,041 08
6. Repairs and improvements,	16,025 04
7. Farm, stable and grounds,	12,896 38
8. Miscellaneous: —	
Books, periodicals, etc.,	\$181 81
Board of out patients,	51 42
Chapel service and entertain- ments,	601 00
Freight, expressage and trans- portation,	7,366 72
Funeral expenses,	310 00
Hose, etc.,	121 41
Medicine and hospital supplies,	1,328 26
Medical attendance,	595 25
Manual training supplies,	19 04
Postage,	480 20
Printing and printing supplies,	426 44
Return of runaways,	88 92
Soap and laundry supplies,	1,496 41
Stationery and office supplies,	445 45
School books,	7 20
Travel and expenses (official),	491 77
Telephone and telegraph,	400 84
Tobacco,	730 23
<i>Amounts carried forward, .</i>	<hr/> \$15,142 37
	<hr/> \$174,666 69

Amounts brought forward, . \$15,142 37 \$174,666 69

8. Miscellaneous — *con.*

Water, 149 54

Sundries, 1,725 84

17,017 75

Total current expenses, \$191,684 44

For salaries and wages due Sept. 30,

1904, \$5,516 70

For miscellaneous bills due Sept. 30,

1904, 11,411 86

16,928 56

\$208,613 00

Less schedule of salaries and wages and miscellaneous bills for September, 1905, approved but unpaid, and included in foregoing itemized statement of current expenses, .

17,023 84

\$191,589 16

For rebate on account of prepaid board, 302 11

For payment to Treasurer of the Commonwealth, account income, 55,636 41

For account of special appropriations, 75,555 78

For balance, cash on hand Sept. 30, 1905, 3,774 52

\$326,857 98

LIABILITIES.

Salaries and wages due Sept. 30, 1905, . . . \$6,115 37

Miscellaneous bills due Sept. 30, 1905, . . . 10,908 47

\$17,023 84

BILLS RECEIVABLE.

Due hospital for board of patients Oct. 1, 1905: —

From cities and towns, \$42 71

From individuals, 2,812 79

\$2,855 50

Balance appropriation for current expenses, . . . 62,116 09

\$64,971 59

SUMMARY.

Total receipts, \$326,857 98

Total payments, 323,083 46

Cash on hand, \$3,774 52

Bills receivable, 65,006 59

Total available assets, \$68,781 11

Total indebtedness, 17,023 84

Total current expenses, \$191,684.44.

Average number of patients, $878\frac{54}{100}$.

Average weekly cost, $\$4.19\frac{5}{10}$.

Average weekly cost, excluding extraordinary repairs and improvements of \$8,214.48, $\$4.01\frac{6}{10}$.

H. L. DAVENPORT,

Treasurer.

Examined and approved: B. W. CHILDS,

JOHN M. MERRIAM,

Auditing Committee.

REPORT OF THE AUDITOR.

WESTBOROUGH, MASS., Oct. 23, 1905.

BENJAMIN W. CHILDS and JOHN M. MERRIAM, *Auditing Committee of the
Westborough Insane Hospital.*

DEAR SIRS : — I have examined the accounts of the treasurer of the Westborough Insane Hospital for the year beginning Oct. 1, 1904, and ending Oct. 1, 1905, and report as follows : —

I have verified the cash balances reported as on hand Oct. 1, 1905, at the hospital and in the New England Trust Company and the Framingham National Bank, and find the amounts as stated to be correct, after allowing for outstanding checks. I have seen approved and receipted vouchers for all disbursements, both of patients and hospital funds, except vouchers forwarded to and audited by the Auditor of the Commonwealth. I have compared and verified all receipts of cash on the ledger accounts with patients, and find that the same have been duly entered in the cash book. I have found all footings to be correct in the cash book, and also certify that in my investigations I have found everything correct, and no irregularities or discrepancies of any kind whatever.

EZRA H. BIGELOW,
Auditor.

SPECIAL APPROPRIATIONS.

On the first day of October, 1905, there remained unexpended the following balances of the several special appropriations by the Legislature of 1902 : —

For the alteration of the main building for pathological work, appropriation \$5,000, reappropriated by the Legislature of 1904.

The Legislature of 1903 made the following special appropriations : —

	Balance Oct. 1, 1904.	Expended.	Balance Oct. 1, 1905.
For erecting and furnishing building for 100 patients,	\$4,820 63	\$4,704 56	\$116 07
For erecting and furnishing building for 50 nurses,	5,214 65	1,778 07	3,436 58
For purchase of farm machinery and building roads and walks,	778 05	778 05	—
	\$10,813 33	\$7,260 68	\$3,552 65

The Legislature of 1904 made the following special appropriations : —

	Balance Oct. 1, 1904.	Expended.	Balance Oct. 1, 1905.
For building for pathological work, reappropriated,	\$11,929 20	\$6,077 47	\$5,851 73
For constructing and furnishing building for cases of acute insanity,	21,563 85	21,563 85	—
For constructing and furnishing houses for employees,	20,744 83	14,156 22	6,588 61
For superintendent's house,	3,054 87	3,054 87	—
For electric light plant,	8,128 34	8,128 34	—
	\$65,421 09	\$52,980 75	\$12,440 34

The Legislature of 1905 made the following special appropriations : —

	Appropriation.	Expended.	Balance Oct. 1, 1905.
For finishing superintendent's house,	\$850 00	\$850 00	—
For furnishing superintendent's house,	1,200 00	1,200 00	—
For constructing one-story building as laundry for Richmond building,	3,000 00	677 62	\$2,322 38
	\$5,050 00	\$2,727 62	\$2,322 38

H. L. DAVENPORT,

Treasurer.

STATISTICAL TABLES.

[FORM PRESCRIBED BY THE STATE BOARD OF INSANITY.]

1. — General Statistics of the Year.

	INSANE.			HABITUAL DRUNKARDS.			NOT INSANE.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the hospital Sept. 30, 1904,	321	503	824	-	5	5	5	8	13	326	516	842
Admitted within the year,	239	260	499	-	16	16	12	11	23	251	287	538
Viz.: by commitment,	210	220	430	-	14	14	9	10	19	219	244	463
by transfer,	11	16	27	-	-	-	-	-	-	11	16	27
from escape,	3	-	3	-	-	-	-	-	-	3	-	3
from visit,*	15	24	39	-	2	2	3	1	4	18	27	45
Whole number of cases within the year,	560	763	1,323	-	21	21	17	19	36	577	803	1,380
Dismissed within the year,	195	239	434	-	16	16	15	13	28	210	268	478
Viz.: discharged,	98	123	221	-	11	11	10	9	19	108	143	251
as recovered at time of leaving the hospital,	38	59	97	-	-	-	-	-	-	38	59	97
much improved,	27	17	44	-	-	-	-	-	-	27	17	44
Improved,	10	19	29	-	-	-	-	-	-	10	19	29
not improved,	20	28	48	-	-	-	-	-	-	20	28	48
not insane,	3	-	3	-	11	11	10	9	19	13	20	33
died,	65	62	127	-	2	2	3	1	4	68	65	133
transferred,	1	27	28	-	-	-	-	-	-	1	27	28
escaped,	4	1	5	-	-	-	-	-	-	4	3	7
on visit October 1,	27	26	53	-	1	1	2	3	5	29	30	59
Patients remaining Sept. 30, 1905,	365	524	889	-	5	5	2	6	8	367	535	902
Viz.: supported as State patients,	322	438	760	-	5	5	-	1	1	322	444	766
town patients,	-	-	-	-	-	-	-	1	1	-	1	1
private patients*,	43	86	129	-	-	-	2	4	6	45	90	135
Number of different persons within the year,	558	758	1,316	-	21	21	16	19	35	574	798	1,372
Number of different persons admitted,	237	255	492	-	16	16	11	11	22	248	282	530
Persons recovered,	37	59	96	-	-	-	-	-	-	37	59	96
Daily average of patients,	344.34	515.92	860.26	-	4.73	4.73	4.92	8.63	13.55	349.26	529.28	878.54
Viz.: State patients,	305.63	440.22	745.85	-	3.75	3.75	-	.04	.04	305.63	444.01	749.64
town patients,	-	.66	.66	-	.66	.66	-	.95	.95	-	1.61	1.61
private patients*,	38.71	75.70	114.41	-	.32	.32	4.92	7.64	12.56	43.63	83.66	127.29

* Nominally admitted for discharge: males, 14; females, 17; total, 31.

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF THE COMMITMENT.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	182	196	378
Second to this hospital,	23	21	44
Third to this hospital,	-	2	2
Fourth to this hospital,	2	-	2
Sixth to this hospital,	-	1	1
Eighth to this hospital,	2	-	2
Tenth to this hospital,	1	-	1
Total cases,	210	220	430
Total persons,	210	217	427
Never before in any hospital for the insane,	159	169	328

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	70	35	38	67	28	27	137	63	65
Other New England States,	19	22	26	18	22	23	37	44	49
Other States,	10	9	3	9	9	7	19	18	10
Total native,	99	66	67	94	59	57	193	125	124
Austria,	-	-	-	-	1	-	-	1	-
Armenia,	1	1	-	1	1	1	2	2	1
Azores,	-	1	-	-	-	-	-	1	-
Belgium,	1	1	1	-	-	-	1	1	1
British Provinces,	14	13	7	22	13	20	36	26	27
China,	1	1	1	-	-	-	1	1	1
Denmark,	-	-	-	-	1	-	-	1	-
England,	3	3	5	9	12	12	12	15	17
Finland,	3	3	3	1	1	1	4	4	4
France,	-	2	-	-	1	1	-	3	1
Germany,	6	5	6	3	3	4	9	8	10
Greece,	1	1	1	-	-	-	1	1	1
Ireland,	15	30	34	21	43	41	36	73	75
Italy,	4	4	4	1	1	1	5	5	5
Newfoundland,	3	3	3	2	3	2	5	6	5
Norway,	-	1	-	2	1	1	2	2	1
Poland,	-	1	1	1	-	-	1	1	1
Russia,	3	3	3	5	5	5	8	8	8
Scotland,	2	6	5	1	7	5	3	13	10
South America,	-	-	-	1	-	-	1	-	-
Sweden,	1	-	-	1	2	2	2	2	2
Syria,	-	-	-	1	1	1	1	1	1
Switzerland,	-	-	-	1	1	1	1	1	1
Turkey,	-	-	1	1	1	1	1	1	2
West Indies,	1	1	1	1	1	1	2	2	2
Total foreign,	59	80	76	75	99	100	134	179	176
Unknown,	1	13	16	-	11	12	1	24	28
Totals,	159	159	159	169	169	169	328	328	328

4. — *Residence of Insane Persons admitted by Commitment.*

PLACES.	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Barnstable County,	-	-	-	-	1	1
Berkshire County,	1	-	1	-	-	-
Bristol County,	3	6	9	-	1	1
Essex County,	2	4	6	2	1	3
Franklin County,	-	1	1	-	-	-
Hampden County,	1	2	3	-	-	-
Middlesex County,	41	53	94	15	8	23
Norfolk County,	18	15	33	1	3	4
Plymouth County,	-	8	8	3	3	6
Suffolk County,	80	63	143	24	25	49
Worcester County,	13	17	30	4	6	10
From Pennsylvania,	-	-	-	2	-	2
Totals, '	159	169	328	51	48	99
Cities and towns,	116	128	244	41	37	78
Country districts,	43	41	84	10	11	21

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	69	69	138
Married,	68	65	133
Widowed,	20	32	52
Divorced,	1	3	4
Unknown,	1	-	1
Totals,	159	169	328

6. — *Occupations of Insane Persons first admitted to Any Hospital.*

MALES.

Artist,	1	Mill operatives,	2
Baker,	1	Moulder,	1
Barber,	1	None,	15
Bookkeepers,	5	Painters,	5
Bricklayer,	1	Paper cutter,	1
Butcher,	1	Pedlers,	2
Carpenters,	3	Physician,	1
Cigarmaker,	1	Piano finisher,	1
Clergymen,	2	Plasterer,	1
Clerks,	5	Plumber,	1
Coachmen,	2	Porter,	1
Custom-house officers,	2	Printers,	4
Currier,	1	Quarryman,	1
Decorator,	1	Real estate agent,	1
Druggist,	1	Roofer,	1
Engineer,	1	Rubber workers,	3
Expressman,	1	Salesmen,	3
Farmers,	11	Sailor,	1
Foreman,	1	Sea captain,	1
Gardeners,	2	Shoemakers,	8
Grocer,	1	Steam fitter,	1
Hotel-keeper,	1	Stenographer,	1
Inventor,	1	Stone cutter,	1
Janitor,	1	Students,	2
Jeweller,	1	Tailor,	1
Journalist,	1	Tanner,	1
Laborers,	24	Teamster,	1
Last maker,	1	Trainer,	1
Lather,	1	Upholsterer,	1
Laundryman,	1	Watchmaker,	1
Lawyer,	1	Weavers,	2
Liveryman,	1		
Mason,	1	Total,	156
Meat cutter,	1	Unknown,	3
Mechanics,	4		
Merchants,	4	Total,	159

6. — Occupations of Insane Persons first admitted, etc. — Concluded.

FEMALES.

Cooks,	3	Seamstress,	1
Copy holder,	1	Stenographers,	3
Domestics,	25	Student,	1
Dressmaker,	1	Straw workers,	2
Housekeepers,	9	Teachers,	4
Housewives,	12	Waitress,	1
None,	29		—
Nurses,	4	Total,	104
Operatives,	6	Unknown,	1
Rubber worker,	1		—
Saleswoman,	1	Total,	105

WIFE OR DAUGHTER OF —

Armorer,	1	Machinist,	1
Baker,	1	Manufacturer,	1
Blacksmiths,	3	Mason,	1
Carpenters,	4	Mechanic,	1
Clerk,	1	Merchant,	1
Clergyman,	1	Operatives,	12
Cook,	1	Painter,	1
Engineers,	2	Paper finisher,	1
Dentist,	1	Roofers,	2
Draughtsman,	1	Rubber worker,	1
Engraver,	1	Stone cutter,	1
Express agent,	1	Tailors,	3
Firemen,	2	Tinsmith,	1
Foundryman,	1	Waiter,	1
Gardener,	1		—
Granite polisher,	1	Total,	56
Hack driver,	1	Unknown,	8
Junk dealer,	1		—
Laborer,	1	Total,	64
Last maker,	1		
Liquor dealer,	1	Whole total,	169

8. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital — Concluded.

EXCITING CAUSES.	ADMITTED.			PREDISPOSING CAUSES.					
	Males.	Females.	Totals.	HEREDITARY TENDENCY.			NEUROTIC TENDENCY.		
				Males.	Females.	Totals.	Males.	Females.	Totals.
Mental:—									
Fright,	1	1	2	—	—	—	—	—	—
Grief,	8	8	16	—	—	—	—	—	—
Grief and trouble,	1	—	1	—	—	—	—	—	—
Heredity,	15	10	25	15	10	25	—	—	—
Overstudy,	—	1	1	—	1	1	—	—	—
Religious excitement,	—	1	1	—	—	—	—	—	—
Worry,	9	19	28	—	—	—	3	8	11
Worry and deprivation,	—	2	2	—	—	—	—	1	1
Worry and grief,	—	1	1	—	—	—	—	—	—
Worry and ill health,	—	1	1	—	—	—	—	—	—
Worry and overwork,	3	4	7	—	—	—	1	—	1
Totals,	28	48	76	16	11	26	4	11	15
Unknown,	22	35	57	—	—	—	7	6	13
Totals,	159	169	328	17	13	30	20	31	51
							41	4	45

ALCOHOLIC.

HEREDITARY TENDENCY.

NEUROTIC TENDENCY.

ALCOHOLIC.

Totals.

Females.

Males.

Totals.

Females.

Males.

Totals.

Females.

Males.

Totals.

Females.

Males.

Totals.

Females.

Males.

Totals.

Females.

Males.

Totals.

Females.

Males.

9. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	8	5	13
Under 1 month,	28	38	66
From 1 to 3 months,	29	37	66
3 to 6 months,	23	17	40
6 to 12 months,	9	11	20
1 to 2 years,	16	15	31
2 to 5 years,	16	18	34
5 to 10 years,	8	5	13
10 to 20 years,	—	2	2
Over 20 years,	—	1	1
Totals,	137	149	286
Unknown,	22	20	42
Totals,	159	169	328
Average known duration (in years), .	2.94	2.32	2.60

10. — *Form of Mental Disease in Patients committed or discharged, with their Condition on Discharge, or died.*

FORM OF DISEASE.	COMMITTED.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			DISCHARGED.			DIED.			NOT INSANE.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																								
Alcoholic insanity, . . .	33	2	35	12	2	14	2	—	2	3	—	3	2	—	2	7	—	—	—	26	2	28		
Dementia, organic, . . .	10	6	16	4	—	4	4	4	8	—	—	—	1	—	1	11	5	—	7	5	12			
Dementia, praecox, . . .	20	32	52	—	4	4	4	4	8	1	2	3	9	6	15	2	—	—	20	16	36			
Dementia, pre-senile, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Dementia, senile, . . .	30	30	60	—	—	—	4	1	5	1	3	4	1	2	3	—	—	—	24	29	53			
Dementia, terminal, . . .	—	1	1	—	—	—	—	—	—	1	1	1	1	1	2	18	23	41	—	—	—	—	—	
Epileptic insanity, . . .	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	3	4			
Exhaustion psychosis, . . .	1	10	11	—	—	—	—	—	—	—	—	—	1	—	1	2	3	5	1	3	4			
General paresis, . . .	17	13	30	—	2	2	—	—	—	—	—	—	—	—	—	15	6	21	16	10	26			
Imbecility, . . .	8	6	14	—	—	—	1	1	2	1	—	—	—	2	2	—	—	—	1	7	8			
Involution melancholia, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	3	4			
Manic depressive, . . .	3	8	11	2	3	5	—	—	—	—	—	—	—	1	1	1	1	—	3	4	7			
Paranoia, . . .	17	24	41	10	28	38	1	—	1	—	—	2	—	1	1	1	—	—	11	31	42			
Toxic insanity, . . .	9	26	35	—	—	—	3	1	4	3	4	5	3	7	10	1	5	6	8	17	25			
Traumatic insanity, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	—			
Undiagnosed, . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Not insane, . . .	4	8	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Not insane, . . .	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Total A, . . .	159	169	328	28	39	67	15	8	23	18	21	39	55	49	3	125	130	255						

[illegible]

11. — Discharges of the Insane classified by Admission and Result, and Deaths.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.			NOT INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, .	31	46	77	22	14	36	7	16	23	20	28	48	63	57	120	3	—	3	146	161	307
Second to this hospital, .	6	7	13	4	3	7	3	2	5	—	—	—	2	5	7	—	—	—	15	17	32
Third to this hospital, .	—	2	2	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3
Fourth to this hospital, .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
Fifth to this hospital, .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
Sixth to this hospital, .	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Seventh to this hospital, .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total cases, .	38	59	97	27	17	44	10	19	29	20	28	48	65	62	127	3	—	3	163	185	348
Total persons, .	37	59	96	27	17	44	10	19	29	20	28	48	65	62	127	3	—	3	162	185	347
First admitted to any hospital,	28	39	67	15	8	23	6	13	19	18	21	39	55	49	104	3	—	3	125	130	255

12. — Causes of Death, and Form of Mental Disease in Persons who died — Continued.

CAUSES.	AGGREGATES.			MANIC DEPRESSIVE.			DEMENTIA, PRÆCOX.			ALCOHOLIC INSANITY.			PARANOIA.			GENERAL PARESIS.			ORGANIC DEMENTIA.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General:—																					
Gangrene of leg,			1			1															1
Sarcoma of liver.		1	1																		1
Carcinoma,	1	1	2																		1
Convulsions,	3	2	5																		1
Interstitial nephritis and uremia,	1	1	2																		1
Pernicious anæmia,	1	1	2																		1
Chronic colitis and œdema of lungs,	1	1	2																		1
Cirrhosis of liver and pneumonia,	1	1	2																		1
Diffuse nephritis and endocarditis,	1	1	2																		1
Septicæmia and embolism,	2	1	3																		1
Interstitial nephritis,	1	1	2																		1
General tuberculosis,	1	1	2																		1
Miliary tuberculosis,	1	1	2																		1
Totals,	65	62	127	-	2	2	1	1	2	8	-	8	1	7	8	20	8	28	7	5	12

12. — Causes of Death, and Form of Mental Disease in Persons who died — Concluded.

CAUSES.	TERMINAL DEMENTIA.			SENILE DEMENTIA.			TOXIC INSANITY.			EXHAUSTION PSYCHOSIS.			INVOLUTION MELANCHOLIA.			EPILEPTIC INSANITY.			IMBECLITY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General: —																					
Gangrene of leg,	1	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sarcoma of liver,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carcinoma,	—	1	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convulsions,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Interstitial nephritis and uremia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pernicious anæmia,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chronic colitis and œdema of lungs,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cirrhosis of liver and pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diffuse nephritis and endocarditis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Septicæmia and embolism,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Interstitial nephritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Miliary tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	3	2	5	18	26	44	1	—	1	2	6	8	1	1	2	2	3	5	1	1	2

13. — *Duration of Mental Disease and its Treatment in Patients recovered and died.*

PERIOD.	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION.			WHOLE KNOWN DURATION OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered: —												
Congenital,	—	—	—	—	—	—	—	—	—	—	—	—
Under 1 month,	10	11	21	—	—	—	—	—	—	—	—	—
From 1 to 3 months,	5	8	13	2	6	8	1	5	6	—	—	—
3 to 6 months,	4	3	7	19	15	34	16	12	28	—	—	—
6 to 12 months,	1	3	4	5	12	17	6	15	21	2	5	7
1 to 2 years,	2	1	3	1	3	4	3	3	6	3	3	6
2 to 5 years,	—	2	2	1	3	4	2	4	6	5	9	14
5 to 10 years,	—	—	—	1	3	4	2	2	4	—	3	3
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	22	28	50	28	39	67	28	39	67	10	20	30
Unknown,	6	11	17	—	—	—	—	—	—	—	—	—
Totals,	28	39	67	28	39	67	28	39	67	10	20	30
Average of known cases (in months), 2.59	1.84	2.17	6.05	7.65	6.98	8.07	9.25	8.76	20.07	23.42	15.80	14.63

13. — Duration of Mental Disease and its Treatment in Patients recovered and died — Concluded.

PERIOD.	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION.			WHOLE KNOWN DURATION OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Died : —												
Congenital,	1	1	2	—	—	—	—	—	—	—	—	—
Under 1 month,	5	6	11	8	4	12	—	—	—	—	—	—
From 1 to 3 months,	14	7	21	14	6	20	—	—	—	—	—	—
3 to 6 months,	8	7	15	4	7	11	—	—	—	—	—	—
6 to 12 months,	5	7	12	10	6	16	—	—	—	—	—	—
1 to 2 years,	5	8	13	11	3	14	—	—	—	—	—	—
2 to 5 years,	6	5	11	6	11	17	—	—	—	—	—	—
5 to 10 years,	4	5	9	1	4	5	—	—	—	—	—	—
10 to 20 years,	2	2	4	1	2	3	—	—	—	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	50	48	98	55	49	104	55	49	104	10	13	23
Unknown,	5	1	6	—	—	—	—	—	—	—	—	—
Totals,	55	49	104	55	49	104	55	49	104	10	13	23
Average of known cases (in months),	25.18	26.71	25.87	14.11	25.24	19.46	36.81	50.45	42.94	107.80	106.30	106.96
										85.30	67.76	75.39

LIST OF PERSONS

EMPLOYED AT THE WESTBOROUGH INSANE HOSPITAL, SEPT. 30, 1905.

Superintendent and physician,	\$3,000 00 per year.
Assistant superintendent and physician,	1,800 00 " "
Assistant physician,	1,100 00 " "
Assistant physician,	1,000 00 " "
Assistant physicians (two), each,	600 00 " "
Pathologist,	1,200 00 " "
Steward,	1,200 00 " "
Treasurer,	500 00 " "
Clerk,	50 00 per month.
Assistant clerk,	25 00 " "
Secretary to superintendent,	30 00 " "
Record clerk,	35 00 " "
Pharmacist,	22 00 " "
Supervisor (female),	75 00 " "
Supervisor (male),	55 00 " "
Assistant supervisors (female, two), each,	25 00 " "
Head seamstress,	30 00 " "
Seamstresses (four),	\$14 00 to 20 00 " "
Nurses (male, forty-two),	20 00 to 33 00 " "
Nurses (female, sixty-seven),	14 00 to 25 00 " "
Night watchman,	32 00 " "
Baker,	80 00 " "
Storekeeper,	35 00 " "
Meat cutter,	40 00 " "
Office girl,	16 00 " "
Hall boy,	12 00 " "
Housekeeper,	30 00 " "
Cook (male),	60 00 " "
Cook, pastry (female),	22 00 " "
Cook, Talbot (female),	30 00 " "
Cook, Stanley (female),	24 00 " "

Cook, Osgood (female),	\$24 00 per month.
Cook, Warren (female),	25 00 " "
Cook, Speare (female),	24 00 " "
Cook, Richmond (female),	25 00 " "
Cook, farm house (female),	20 00 " "
Cook, order (female),	25 00 " "
Cook, second (male),	22 00 " "
Head laundress,	50 00 " "
Laundry helpers (male, two),	25 00 and 30 00 " "
Laundry helpers (female, six),	16 00 and 20 00 " "
Kitchen helpers (male, two),	14 00 and 18 00 " "
Kitchen helpers (female, four),	16 00 and 18 00 " "
Basement boys (three),	16 00 and 20 00 " "
Scullery man,	20 00 " "
Waitresses (six),	16 00 and 18 00 " "
Chambermaids (three),	10 00 to 25 00 " "
Head carpenter,	75 00 " "
Carpenters (three),	2 50 per day.
Painter,	2 50 " "
Engineer,	1,200 00 per year.
Assistant engineers (two),	45 00 and 75 00 per month.
Assistant engineers (two), each,	30 00 " "
Engineer's helpers (two),	25 00 and 35 00 " "
Firemen (five), each,	30 00 " "
Farmer,	1,000 00 per year.
Farm foreman,	35 00 per month.
Farm watchman,	25 00 " "
Farm laborers (sixteen),	18 00 to 28 00 " "
Gardener,	60 00 " "
Assistant gardeners (three),	20 00 and 25 00 " "
Coachman,	34 00 " "
Expressman,	18 00 " "
Blacksmith,	38 00 " "

GOODS MADE AND REPAIRED IN THE SEWING ROOM

FOR YEAR ENDING SEPT. 30, 1905.

624 aprons, white.	100 curtains, screen.
64 aprons, colored.	43 curtains, colored, heavy.
72 aprons, waiters.	241 curtains, shades made.
67 aprons, ticking.	132 curtains, shades hemmed.
120 bags, laundry.	286 chemises.
18 bags, tea.	16 corset covers.
89 bags, coffee.	60 dresses, denim, restraint.
51 bags, individual.	91 dresses, denim.
75 pairs bed socks.	301 drawers.
276 bedspreads tagged.	90 dusters.
48 bibs.	28 gloves tagged.
460 pairs blankets bound and tagged.	50 jumpers tagged.
5 bolsters made and filled.	8 kimonas.
9 canvas bed sheets, with jackets.	130 linen table cloths.
13 canvas bed covers.	102 linen tray cloths.
2 canvas bread covers.	924 linen napkins.
14 canvas camisoles.	170 linen bureau scarfs.
4 canvas mitts.	110 linen table scarfs.
13 canvas muffs.	77 linen table squares.
3 canvas anklets.	114 linen pillow shams.
72 canvas lacings.	103 neckties tagged.
18 canvas straps.	396 napkins, sanitary.
3 canvas combination suits.	234 night dresses, bleached.
49 coats, waiters.	522 night dresses, unbleached.
24 coat sleeves shortened.	216 night dresses, short.
155 pairs curtains, sash.	45 pairs overalls tagged.

36 pads.	515 shirts, outing.
436 pillow slips, bleached.	72 shirts, night, bleached.
1,064 pillow slips, unbleached.	96 shirts, night, unbleached.
84 pillow slips, Talbot.	144 shirts, night, short.
175 rugs bound.	218 skirts, short.
162 pair socks tagged.	255 skirts, long.
6 surgeon's caps.	57 ticks, pillow.
2 surgeon's gowns.	167 ticks, mattress.
24 sunbonnets.	126 towels, roller.
12 shirt waists.	3,340 towels, roller, patients'.
48 shirt waist suits.	54 towels, glass.
14 sofa pillow covers.	864 towels, dish.
8 sheets, 10/4, bleached.	70 pairs trousers shortened.
12 sheets, 9/4, bleached.	29 vests enlarged.
639 sheets, 7/4, bleached.	6 bread cloths.
2,006 sheets, 7/4, unbleached.	6 dresses refitted.
2 shirts, white.	

PRODUCTS OF THE FARM.

OCT. 1, 1904, TO OCT. 1, 1905.

Apples, 46,600 pounds,	\$670 00
Asparagus, 2,785 pounds,	67 64
Beans, string, 2,359 pounds,	47 18
Beans, shell, 2,817 pounds,	56 34
Beef, 2,552 pounds,	183 29
Beets, 43,003 pounds,	448 97
Beet greens, 665 pounds,	13 10
Blackberries, 128 pounds,	10 24
Cabbage, 67,413 pounds,	808 26
Carrots, 9,885 pounds,	100 03
Celery, 1,200 pounds,	72 00
Cider, 1,081 pounds,	11 50
Corn, 20,242 pounds,	202 24
Chard, 4,831 pounds,	136 38
Cucumbers, 6,195 pounds,	100 00
Currants, 54 pounds,	4 32
Eggs, 1,724 $\frac{3}{4}$ pounds,	267 87
Hay, English, 150 tons,	2,400 00
Hay, meadow, 9 tons,	90 00
Hay, rowen, 10 tons,	120 00
Ensilage, 650 tons,	3,250 00
Green feed, 90 tons,	360 00
Corn, stover, 10 tons,	80 00
Corn, 2 $\frac{3}{4}$ tons,	75 00
Ice, 1,000 tons,	1,000 00
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<i>Amount carried forward,</i>	\$10,574 36

[illegible]

PRODUCTS ON HAND OCT. 1, 1905.

[illegible]

<i>Amount brought forward,</i>	.	.	.	.	.	.	.	\$1,556 15
Cabbage fodder, 5,500 pounds,	.	.	.	.	.	.	.	11 00
Carrots, 9,650 pounds,	.	.	.	.	.	.	.	96 50
Celery, 1,200 pounds,	.	.	.	.	.	.	.	72 00
Corn, 2,800 pounds,	.	.	.	.	.	.	.	28 00
Corn, field, 7,500 pounds,	.	.	.	.	.	.	.	75 00
Corn, stover, 10 tons,	.	.	.	.	.	.	.	80 00
Hay, English, 125 tons,	.	.	.	.	.	.	.	1,968 00
Hay, meadow, 9 tons,	.	.	.	.	.	.	.	90 00
Hay, rowen, 10 tons,	.	.	.	.	.	.	.	120 00
Ensilage, 650 tons,	.	.	.	.	.	.	.	3,250 00
Ice, 200 tons,	.	.	.	.	.	.	.	200 00
Lumber, 13,000 feet,	.	.	.	.	.	.	.	364 00
Leek, 1,500 pounds,	.	.	.	.	.	.	.	30 00
Onions, 35,000 pounds,	.	.	.	.	.	.	.	700 00
Parsnips, 16,300 pounds,	.	.	.	.	.	.	.	326 00
Pears, 1,800 pounds,	.	.	.	.	.	.	.	22 50
Peppers, 140 pounds,	.	.	.	.	.	.	.	4 20
Potatoes, 23,330 pounds,	.	.	.	.	.	.	.	233 30
Quinces, 75 pounds,	.	.	.	.	.	.	.	2 52
Squash, 35,000 pounds,	.	.	.	.	.	.	.	710 00
Tomatoes, 7,000 pounds,	.	.	.	.	.	.	.	70 00
Turnips, 57,000 pounds,	.	.	.	.	.	.	.	570 00
Wood, 110 cords,	.	.	.	.	.	.	.	440 00

 \$11,019 17

SUMMARY OF THE FARM ACCOUNT.

DR.

Bedding for cattle,	\$349 22
Blacksmith's supplies,	217 34
Blankets,	28 50
Board of farmers,	4,364 34
Cart, dump,	73 00
Cows,	377 50
Farm repairs,	698 34
Fertilizers,	766 88
Fencing,	53 82
Harnesses,	184 90
Harness repairs,	43 78
Hay and grain,	7,488 50
Horses,	1,000 00
House rent,	144 00
Machinery and implements,	519 54
Motors for silos and ice houses,	191 80
Seeds and plants,	235 23
Sled,	135 00
Swill,	734 00
Wagon repairs,	59 20
Wages of farmers,	6,979 34
Wages and board of attendant,	571 95
Whips,	9 50
Veterinary,	6 00
	<hr/>
	\$25,231 68
Profit of the farm to balance,	2,819 90
	<hr/>
	\$28,051 58

Cr.

Apples, 31,975 pounds,	\$319 75
Asparagus, 2,785 pounds,	67 64
Beans, lima, 16 pounds,	32
Beans, shell, 2,217 pounds,	44 34
Beans, string, 2,359 pounds,	47 18
Beef, 2,557 pounds,	183 29
Beets, 25,877 pounds,	388 19
Beet greens, 655 pounds,	13 10
Blackberries, 128 pounds,	10 24
Broilers, 42 pounds,	8 54
Cabbage, 42,671 pounds,	853 42
Carrots, 6,379 pounds,	95 69
Celery, 1,263 pounds,	44 02
Chard, 4,845 pounds,	137 08
Chicken, 516 $\frac{3}{4}$ pounds,	102 05
Cider, 1,081 pounds,	11 50
Corn, 17,834 pounds,	178 34
Cucumbers, 6,195 pounds,	100 00
Currants, 54 pounds,	4 32
Eggs, 1,724 $\frac{3}{4}$ pounds,	268 05
Fowl, 746 pounds,	119 36
Ice, 580 $\frac{1}{4}$ tons,	1,161 50
Leek, 92 pounds,	1 84
Lettuce, 3,830 pounds,	154 51
Milk, 590,499 pounds,	11,809 98
Onions, 2,541 pounds,	51 02
Parsley, 65 pounds,	3 25
Parsnips, 11,628 pounds,	232 56
Peas, 1,968 pounds,	54 18
Pears, 2,998 pounds,	44 97
Peppers, 223 pounds,	8 87
Pork, 35,966 pounds,	2,314 31
Potatoes, 37,743 pounds,	375 19
Radishes, 427 $\frac{1}{4}$ pounds,	19 88
Raspberries, 98 pounds,	9 30
Rhubarb, 5,029 pounds,	50 29
Spinach, 7,631 pounds,	222 43

Amount carried forward, \$19,540 50

58 WESTBOROUGH INSANE HOSPITAL. [Oct. 1905.

[illegible]